(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 16 June 2005 (16.06.2005)

PCT

(10) International Publication Number WO 2005/054608 A1

(51) International Patent Classification⁷: 15/14, 63/08

E05B 15/10,

(21) International Application Number:

PCT/GB2004/004342

- (22) International Filing Date: 13 October 2004 (13.10.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

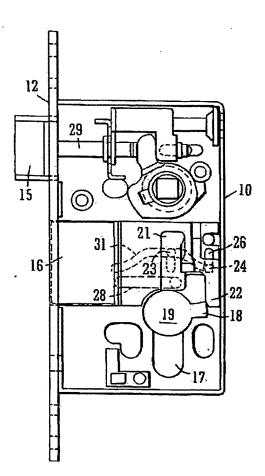
0327109.5 21 November 2003 (21.11.2003)

(71) Applicant (for all designated States except US): AR-CHITECTURAL PRODUCTS & COMPONENTS [CN/CN]; Factory Building 1, East of High-tech Road 9, Qiaonan Area of Xiaoshan Economic & Technological, Development Zone, Hangzhou, Zhejiang Province 311231 (CN).

- (72) Inventor; and
- (75) Inventor/Applicant (for US only): NAYLOR, Mark, Anthony [GB/CN]; No. 201, Unit 2, High Building 2, Huiyu Garden, Xiaoshan, Hangzhou, Zhejiang Province (CN).
- (74) Agent: HARRISON GODDARD FOOTE; Orlando House, 11c Compstall Road, Marple Bridge, Stockport SK6 5HH (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: A MORTICE LOCK



(57) Abstract: A mortice lock having a deadbolt (16) retained within the lock case (10) and movable between an unlocking position wherein the deadbolt is contained within a lock case, and the locking position in which it extends'outwardly therefrom, and a driving mechanism with a cam (18) which connects with and moves the deadbolt between its locking and unlocking positions and a pair of sliding contact members (21, 22) mounted on and slidably movable with respect to the deadbolt between a first position in which it maintains contact with the driving member to effect a full 20mm throw of the deadbolt in one direction, and a second position to enable a full throw of the deadbolt in an opposite direction.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.